

Converting Colors

XYZ(9.7635, 14.0230, 7.7870)

Have a look what the booklet for
XYZ(9.7635, 14.0230, 7.7870)
contains.

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Color

**XYZ(9.7307, 13.9932,
7.8183)**

Conversions

Conversions Part 1

Format	Color
Hex	467345
RGB	70, 115, 69
RGB Percent	27%, 45%, 27%
CMY	0.7255, 0.5490, 0.7294
CMYK	0.39, 0.00, 0.40, 0.55
HSL	119°, 25%, 36%
HSV	119°, 40%, 45%
XYZ	9.7307, 13.9932, 7.8183
YIQ	96.3010, -12.0540, -23.8460

Conversions

Conversions Part 2

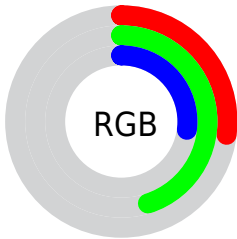
Format	Color
RYB	69, 115, 114
Decimal	4617029
CIELab	44.22, -25.68, 20.71
CIELCh	44, 32.986, 141.120
Yxy	13.9932, 0.3085, 0.4436
Android (android.graphics.Color)	4282807109 (0xFF467345)
YUV	96.3010, -13.4594, -23.0660
Hunter-Lab	37.4075, -19.0304, 13.7934

Details

The XYZ color **9.7307, 13.9932, 7.8183** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.1626, 9.0718, 17.3303**, and the grayscale version is **11.2255, 11.8101, 12.8612**.

A 20% lighter version of the original color is **24.8345, 32.9385, 22.1884**, and **2.4223, 4.1218, 1.5321** is the 20% darker color. If you saturate the color by 10%, you get **8.6710, 13.4846, 6.0825**, and if you desaturate by 10%, it is **11.0125, 14.6091, 9.9263**.

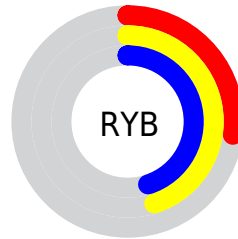
Distribution



Red (27%)

Green (45%)

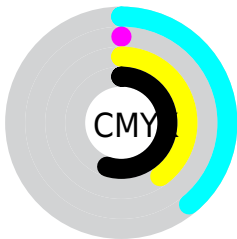
Blue (27%)



Red (27%)

Yellow (45%)

Blue (45%)

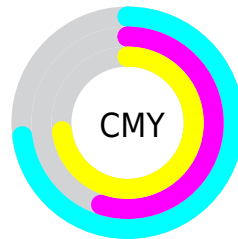


Cyan (39%)

Magenta (0%)

Yellow (40%)

Black (55%)



Cyan (73%)

Magenta (55%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7307, 13.9932, 7.8183 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 9.7307, 13.9932, 7.8183 by changing the saturation by 10% instead.

9.7307, 13.9932,
7.8183

9.7307, 13.9932,
7.8183

182.8332,
217.1885, 184.1809

5.2817, 8.1159,
3.8928

24.9420, 33.0770,
22.1417

2.4499, 4.1692,
1.5667

36.4350, 47.0522,
33.3767

0.8701, 1.7687,
0.2669

51.0067, 64.4957,
47.8853

0.0000, 0.4675,
0.0000

69.0225, 85.7916,
66.0860

0.0000, 0.0000,
0.0000

90.8477, 111.3245,
88.3974

116.8476,

141.4786, 115.2380

147.3876,
176.6385, 147.0263

■ 9.7307, 13.9932,
7.8183

■ 9.7307, 13.9932,
7.8183

■ 8.6710, 13.4846,
6.0825

■ 11.0125, 14.6091,
9.9263

■ 7.8196, 13.0755,
4.6965

■ 12.5267, 15.3359,
12.4255

■ 7.1633, 12.7600,
3.6369


■ 14.2846, 16.1796,
15.3345


■ 6.6865, 12.5305,
2.8768


■ 16.2961, 17.1448,
18.6707


■ 6.3716, 12.3787,
2.3855

■ 18.5708, 18.2362,
22.4502

 6.1623, 12.2781,
2.0451

 21.1178, 19.4580,
26.6885

 23.9455, 20.8144,
31.4002

 27.0622, 22.3092,
36.5994

 30.4757, 23.9464,
42.2995

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



11.5556, 13.9932, 5.3084



9.7307, 13.9932, 7.8183



8.8933, 13.9932, 13.1028

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



9.7307, 13.9932, 7.8183



12.5327, 13.9932, 34.5572



18.6126, 13.9932, 10.5802

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



9.7307, 13.9932, 7.8183



12.1626, 9.0718, 17.3303

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.9648, 13.9932, 17.5895



9.7307, 13.9932, 7.8183



15.2119, 13.9932, 33.1923

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



9.7307, 13.9932, 7.8183



10.3647, 13.9932, 29.5660



17.6504, 13.9932, 26.2892



16.7433, 13.9932, 6.4974

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



9.7307, 13.9932, 7.8183



8.9196, 13.9932, 18.2118



17.6504, 13.9932, 26.2892



18.9213, 13.9932, 12.6038

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



9.7311, 13.9938, 7.8186



24.8098, 28.6027, 26.1854



14.1023, 15.9898, 7.9735



5.8445, 6.7880, 6.1240



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



9.7311, 13.9938, 7.8186



15.6535, 24.2069, 11.0992



10.4508, 14.2734, 11.9819



3.6473, 4.1017, 3.9418



7.0420, 14.0347, 2.3378



34.2225, 68.3441, 11.3880

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12.1626, 9.0718, 17.3303



20.6550, 14.0770, 30.6730



11.1983, 8.7012, 11.5699



3.8192, 3.7541, 4.6136



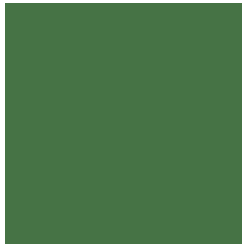
11.2474, 5.3896, 18.9901



54.7110, 26.2130, 92.5363

Previews

White Background



This preview shows how the XYZ color 9.7307, 13.9932, 7.8183 looks on a white background.

Color Contrast Check

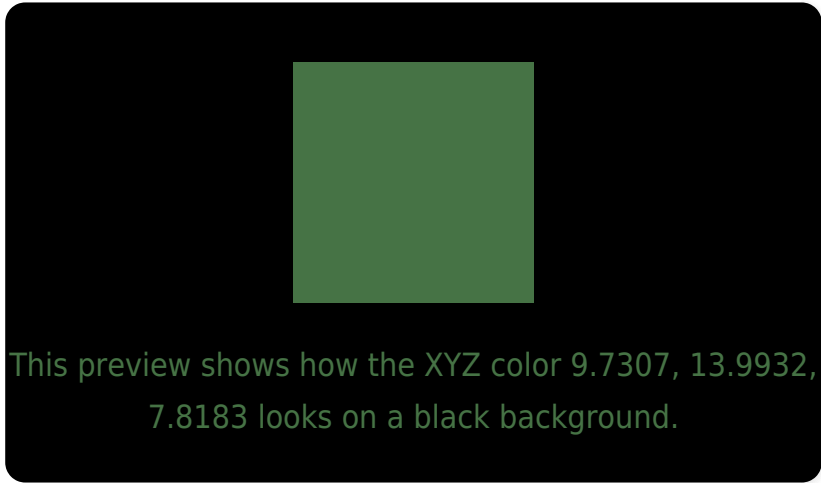
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.7307, 13.9932, 7.8183

Background



This preview shows how black text looks on a background with the XYZ color 9.7307, 13.9932, 7.8183.



This preview shows how white text looks on a background with the XYZ color 9.7307, 13.9932,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

9.7307, 13.9932, 7.8183

Protanopia

12.8439, 13.8597, 6.9993

Deuteranopia

14.0719, 13.8805, 8.2409



Tritanopia

11.9631, 13.9075, 19.1934

Trichromacy



Original Color

9.7307, 13.9932, 7.8183

Protanomaly

11.3829, 13.7151, 7.2016

Deuteranomaly

11.9302, 13.5141, 8.1106

Tritanomaly

10.9652, 13.8255, 14.1472

Monochromacy



Original Color

9.7307, 13.9932, 7.8183

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.4604, 12.3986, 10.6459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7307, 13.9932, 7.8183 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(70, 115, 69)` looks like.

```
.text, #text, p{  
    color:rgb(70, 115, 69)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(70, 115, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 115, 69) }
```

Border

The CSS property to change the border of an element to XYZ 9.7307, 13.9932, 7.8183 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(70, 115, 69) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(70, 115, 69) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(70, 115, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 115, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 115, 69);  
box-shadow:4px 4px 4px 4px rgb(70, 115,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 9.7307, 13.9932, 7.8183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 115, 69) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(70, 115,  
69) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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